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Ultrasonic transducer.

Publication number: EP016823

Publication date: 1984-08-29

Inventor: FORSTER ALFRED

Applicant: SIEMENS AG (DE)

Classification:

International: **H04R17/00; A61B8/00; G01N29/24; G10K11/00; H04R1/22; H04R17/00; A61B8/00; G01N29/24; G10K11/00; H04R1/22; (IPC1-7): G10K11/00**

European: G10K11/00B

Application number: EP19840100051 19840104

Priority number(s): DE19833301848 19830120

Also published as:

JP89140798 (A)
DE3301848 (A1)
EP016823 (B1)

Cited documents

US4326274
US3427461
GB2063007
FR2326286
US3950660

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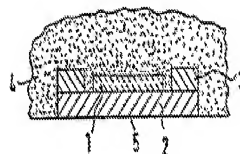
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Abstract of EP016823

1. An ultrasonic transducer which is arranged at an interval from the object to be measured and which comprises a plate-like ceramic oscillator (1) which is surrounded by a weighting ring (3) and to which metal electrodes are attached, and on one face of which a $\lambda/4$ matching layer consisting of synthetic material is arranged, characterized in that the entire ultrasonic transducer, excluding that side of the matching layer (2) which faces towards the medium which is to be exposed to ultrasonic waves, is provided with a foam casing (4) composed of polyurethane foam.



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